Pauluhn Electric Manufacturing, LLP has been synonymous with U.S. Coast Guard vendor approved products. A broad and experienced sales force and network. A 5 year warranty. The American Bureau of Shipping Approval with the American Bureau of Shipping. Luminaires that withstand the extreme vibration of marine environments. In-house engineering design, photometric layout and technical expertise. Materials specifically for use in corrosive and harsh environments. Custom designed and manufactured luminaires for use in luminaires that withstand the extreme vibration of marine environments. A 4 year warranty. A broad and experienced sales force and network. Approval with the American Bureau of Shipping for products and facility. U.S. Coast Guard vendor approved products.
### Marine & Offshore Lighting Levels

<table>
<thead>
<tr>
<th>Type</th>
<th>Light Intensity</th>
<th>Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP54</td>
<td>150 - 200</td>
<td>80 – 150</td>
</tr>
<tr>
<td>IP52</td>
<td>15 - 20</td>
<td>300 – 500</td>
</tr>
<tr>
<td>IP56</td>
<td>20 – 30</td>
<td>100 – 150</td>
</tr>
<tr>
<td>IP11</td>
<td>5</td>
<td>150 – 200</td>
</tr>
<tr>
<td>IP10</td>
<td>3 - 30</td>
<td>200 – 300</td>
</tr>
</tbody>
</table>

**Lighting Solutions**

- Install additional obstruction lights at minimum intervals.
- Install additional omnidirectional red obstruction lights at the top of any structure with an elevation that exceeds that of the flight deck by more than 10 meters.
- Visually identify all potential flight path obstructions with omnidirectional red obstruction lights.
- Mount lights no more than 5 feet above the light deck elevation.
- Spacing around the flight deck should be equal, and distance between individual marker lights should not exceed the flight deck elevation.

**Security Lighting Considerations**

- Light as an ongoing security practice and as an ongoing security solution.
- A well-lit area will add a sense of security to the general public and to the crew.
- Lighting equipment can be used to increase visibility in critical areas.
- Lighting equipment can be used to identify potential threats.

**References and Applicable Standards**

- Recommended Practice for Marine Lighting, Publication No. RP-12-07, Electrical Engineering Society of North America, 100 Wall St, New York, NY 10005
- UL/US Standard for Marine Luminaires, UL 1741, Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096
- NFPA 120, Standard for Marine Luminaires, Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096
- UL/US Standard for Marine Luminaires, UL 1741, Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096
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- NFPA 120, Standard for Marine Luminaires, Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096

**Lighting Solutions**

- For over 75 Years Pauluhn Electric Manufacturing, LLP has been providing marine, offshore and industrial lighting products with innovative solutions for hazardous locations. Our lighting and control systems are designed specifically for marine environments, and our lighting and control systems are designed specifically for marine environments.

**For a comprehensive guide to Pauluhn fixtures and electrical products please consult our catalog or visit us online at www.pauluhn.com**